

Product data sheet

Characteristics

A9L16382

Modular surge arrester with pluggable cartridge, Acti9 iPRD1 12.5, 3 P, 350 V, with remote transfert



Main

Range of product	Acti9
Product name	Acti9 iPRD1
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD1 12.5
Device application	Distribution
Standards	EN 61643-11:2012 IEC 61643-11:2011
Quality labels	CE EAC VDE
Poles description	3P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TN-C

Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	400 V AC (+/- 10 %) at 50/60 Hz
[In] nominal discharge current	20 kA
[Imax] maximum discharge current	50 kA
[Iimp] impulse current	Common mode: 12.5 kA L/PE
[Uc] maximum continuous operating voltage	Common mode: 350 V L/PE
Maximum [Up] voltage protection level	<1.5 kV type 1 + 2
Residual current	0.9 mA L/PE
[Ut] temporary overvoltage	442 V L/PE 120 min withstand 1455 V L/PE 200 ms safe failure mode
Disconnecter device type	Associated fuse gG 160 A 120 kA standard Associated circuit breaker Compact NSX160E 80 A 25 kA standard
Local signalling	Operating: mechanical indicator (white) End of life: mechanical indicator (red)
Mounting mode	Clip-on (DIN rail)
9 mm pitches	6
Height	89 mm
Width	54 mm
Depth	69 mm
Product weight	486 g
Colour	White (RAL 9003)
Material	PA6

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Connections - terminals	Tunnel type terminal (phase) 10...25 mm ² flexible Tunnel type terminal (phase) 10...35 mm ² rigid Tunnel type terminal (earth) 16...25 mm ² flexible Tunnel type terminal (earth) 16...35 mm ² rigid
Wire stripping length	14 mm
Tightening torque	3.5 N.m

Environment

IK degree of protection	IK05 conforming to IEC 62262
Pollution degree	3
Relative humidity	5...95 %
Operating altitude	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.500 cm
Package 1 Width	8.000 cm
Package 1 Length	9.500 cm
Package 1 Weight	525.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.500 cm
Package 2 Width	10.000 cm
Package 2 Length	27.500 cm
Package 2 Weight	2.173 kg
Unit Type of Package 3	S02
Number of Units in Package 3	12
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	6.761 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins